|                 | Index of Claims |        |                              |              |                 |           |            |                  |          |          |           |                        |               | Application/Control No. |           |        |                   |                 |            |          |          |         |               | Applicant(s)/Patent under |          |           |           |   |  |  |  |
|-----------------|-----------------|--------|------------------------------|--------------|-----------------|-----------|------------|------------------|----------|----------|-----------|------------------------|---------------|-------------------------|-----------|--------|-------------------|-----------------|------------|----------|----------|---------|---------------|---------------------------|----------|-----------|-----------|---|--|--|--|
| index of Claims |                 |        |                              |              |                 |           |            |                  |          |          |           | 10/040 146             |               |                         |           |        |                   |                 |            |          |          |         | Reexamination |                           |          |           |           |   |  |  |  |
|                 |                 |        |                              |              |                 |           |            |                  |          |          |           | 10/840,146<br>Examiner |               |                         |           |        |                   |                 |            |          |          |         | TEWS ET AL.   |                           |          |           |           |   |  |  |  |
|                 |                 |        |                              |              |                 |           |            |                  |          |          |           |                        | Steven H. Rao |                         |           |        |                   |                 |            |          |          |         |               |                           |          |           |           |   |  |  |  |
|                 |                 |        |                              | `            |                 |           |            |                  |          |          |           |                        |               |                         |           |        |                   |                 |            |          |          | 2814    |               |                           |          |           |           |   |  |  |  |
|                 | 1               | (      | Through numeral) . Cancelled |              |                 |           |            |                  | N Non-Ei |          |           |                        | lec           | ted                     |           | A      | Appeal            |                 |            |          |          |         |               |                           |          |           |           |   |  |  |  |
|                 | = Allowed +     |        |                              |              |                 |           | Restricted |                  |          |          |           |                        | I Interfe     |                         |           |        | ere               | nce             |            | 0        | Objected |         |               |                           |          |           |           |   |  |  |  |
|                 |                 |        |                              |              |                 |           |            |                  |          |          |           |                        |               |                         |           |        |                   |                 | ļ<br>      | Ц        | J        |         |               |                           |          |           |           |   |  |  |  |
| •               | Claim Date      |        |                              | 1            | Claim           |           |            |                  |          |          | ate       |                        |               | -                       | CI        | aim    | -                 | _               | Date       |          |          |         |               |                           |          |           |           |   |  |  |  |
|                 | Final Original  |        |                              |              |                 |           | Final      | Original         |          |          |           |                        | i             |                         |           |        |                   | Final           | Original   |          |          |         |               |                           |          |           |           |   |  |  |  |
|                 | 137             |        |                              |              |                 | $\exists$ |            | 51               |          |          |           |                        |               | $\perp$                 | 1         | $\pm$  | 1                 |                 | 101        |          | +        | $\pm$   | $\vdash$      |                           | -        | Н         | -         |   |  |  |  |
|                 | 3               |        |                              | $\vdash$     | +               | $\dashv$  | $\vdash$   | 52<br>53         | L        | Н        | $\dashv$  | -                      | 4             | 4                       | +         | -      | }                 |                 | 102<br>103 | $\Box$   | $\bot$   | $\perp$ | $oxed{\bot}$  |                           |          | П         |           | I |  |  |  |
|                 | 144             | -      |                              |              | $\Box$          |           |            | 54               |          | Н        |           | $\exists$              | +             | +                       | ╅         | ╁      | 1                 | <b> </b>        | 104        | Н        | +        | +-      | ╁             |                           | $\vdash$ | Н         | Н         | 1 |  |  |  |
|                 |                 |        |                              | H            | $\Box$          | 7         |            | 55<br>56         | Ŀ        |          |           | $\Box$                 | $\dashv$      | $\bot$                  | Ţ         |        | 7                 |                 | 105        |          | 1        |         | F             |                           |          |           |           | I |  |  |  |
|                 | 1 71            | Н      | -                            | H            | +               | $\dashv$  | -          | 57               |          | Н        | $\dashv$  | $\dashv$               | $\dashv$      | +                       | +         | ╁      | 1                 |                 | 106<br>107 | ┝┼       | ╬        | ╁       | ╁             | <u> </u>                  | ┝        | Н         |           |   |  |  |  |
|                 | 8               |        |                              | $\Box$       |                 |           |            | 58               |          |          |           | $\Box$                 | 1             | #                       | 丰         | $\top$ |                   |                 | 108        |          | 1        | 丰       |               |                           |          |           |           |   |  |  |  |
|                 | 9 10            | -      | $\dashv$                     | $\vdash$     | +               | $\dashv$  | $\vdash$   | 59<br>60         | $\vdash$ | Н        |           | $\dashv$               | $\dashv$      | +                       | ╬         | +      | ┨                 |                 | 109<br>110 | ┝╍┼      | +        | +-      | ╀             |                           | -        | Н         | -         |   |  |  |  |
|                 | 11 V            |        |                              |              |                 | ゴ         |            | 61               |          |          |           |                        | 1             |                         |           | 土      | 1                 |                 | 111        |          | 土        |         |               |                           |          |           |           |   |  |  |  |
|                 | 12              |        |                              | $\vdash$     |                 | $\dashv$  | -          | 62<br>63         | H        |          | $\dashv$  | -                      | +             | 4                       | 4         | 4      | -                 |                 | 112<br>113 | Н        | 4        | $\perp$ | L             |                           |          |           |           |   |  |  |  |
|                 | 14              |        | _                            |              | +               | $\dashv$  | -          | 64               | H        | Н        | $\dashv$  | +                      | ┪             | +                       | +         | +-     | 1                 |                 | 114        | $\vdash$ | +        | +-      | ╁             | $\vdash$                  | Н        | Н         | $\dashv$  |   |  |  |  |
|                 | 15              |        | $\mp$                        |              | $\Box$          | _         |            | 65               |          |          |           |                        | $\Box$        | 1                       | 1         |        | 1                 |                 | 115        |          | 1        | T       |               |                           |          |           |           |   |  |  |  |
|                 | 16              | -      | +                            | $\vdash$     | +               | -         | -          | 66<br><b>6</b> 7 | Н        | $\dashv$ | $\dashv$  | ┥                      | +             | ╬                       | +         | ╁      | 1                 | -               | 116<br>117 | H        | +-       | ╁       | ├-            | _                         |          | Н         | $\dashv$  |   |  |  |  |
|                 | 18              |        | 二二                           |              |                 |           |            | 68               |          |          |           |                        | # #           | 丰                       | 1         | 土      | 1                 |                 | 118        |          |          |         |               |                           |          |           |           |   |  |  |  |
|                 | 19              |        |                              | $\vdash$     | +               | $\dashv$  |            | 69<br>70         | H        | $\dashv$ | +         | -                      | +             | +                       | 4         | +      | ┨                 | $\vdash$        | 119<br>120 | $\dashv$ | -        | +       | -             | _                         |          | -         | $\dashv$  |   |  |  |  |
|                 | 21              |        |                              |              | +               | 7         |            | 71               | Н        |          | ┪         | 7                      | $\dashv$      | +                       | +         | +      | 1                 | $\vdash$        | 121        | $\dashv$ | ╅        | 十       | -             | H                         | Н        | $\vdash$  | $\dashv$  |   |  |  |  |
|                 | 22 23           |        |                              | П            | $\Box$          | $\Box$    |            | 72               | П        |          | $\exists$ | 4                      | $\exists$     | Ţ                       | T         | T      | 1                 |                 | 122        |          | 1        | Ţ       |               |                           |          |           |           |   |  |  |  |
|                 | 24              |        | +                            | $\vdash$     | ╁┤              | $\dashv$  | -          | 73<br>74         | Н        | $\dashv$ | $\dashv$  | ┪                      | +             | +                       | +         | ╁      | 1                 | $\vdash$        | 123<br>124 | $\dashv$ | ╁        | ╁       | -             |                           | $\vdash$ | $\dashv$  | $\dashv$  |   |  |  |  |
|                 | 25              |        |                              |              | $\Box$          | 1         |            | 75               |          |          |           | コ                      | 1             | 土                       | 1         | 上      | 1                 |                 | 125        |          | 士        |         |               |                           |          |           | ╛         |   |  |  |  |
|                 | 26<br>27        | H      |                              | $\vdash$     | ++              | $\dashv$  |            | 76<br>77         | Н        | $\vdash$ | $\dashv$  | $\dashv$               | +             | +                       | ╁         | +-     | -                 | $\vdash$        | 126<br>127 | $\vdash$ | +        | +-      | -             | Н                         | Н        | $\dashv$  | ᅴ         | • |  |  |  |
|                 | 28              |        |                              |              |                 | 1         |            | 78               |          |          | $\exists$ |                        | $\pm$         |                         | $\dagger$ |        | 1                 |                 | 128        |          | +        | 十       | ╁             | Н                         |          | $\dashv$  | $\dashv$  |   |  |  |  |
|                 | 30              |        |                              | 4            | $\Box$          | $\exists$ |            | 79               |          | $\Box$   | $\exists$ | $\neg$                 | $\bot$        | 1                       | 4         | $\bot$ | ]                 |                 | 129        |          | Ŧ        | T       |               |                           |          | $\Box$    |           |   |  |  |  |
|                 | 31              |        | +                            | +            | +               | $\dashv$  | _          | 80<br>81         | H        | -        | +         | ┪                      | +             | ╅                       | ╫         | ╁      | ┨                 | Н               | 130<br>131 | $\dashv$ | ┿        | ╫       | ┝             | Н                         | -        | $\dashv$  | $\dashv$  |   |  |  |  |
|                 | 32              |        |                              |              | $\Box$          |           |            | 82               |          |          |           | $\Box$                 | 1             |                         | 1         | 上      | 1                 |                 | 132        |          | 工        |         |               |                           |          |           |           |   |  |  |  |
|                 | 33              | ╼╂╼╂   | -                            | $\vdash$     | ++              | $\dashv$  | -          | 83<br>84         | Н        | $\dashv$ | $\dashv$  | $\dashv$               | +             | +                       | ╀         | ╀      | $\left\{ \right.$ | Н               | 133<br>134 | -        | +-       | ╂       | -             | Н                         |          | -         | $\dashv$  |   |  |  |  |
|                 | 35              |        |                              |              |                 | _         |            | 85               |          |          | $\exists$ | _                      | 1             |                         | 士         | $\pm$  | 1                 |                 | 135        | $\dashv$ | 十        | ╁       | ┪             | Н                         |          | -         | ᅥ         |   |  |  |  |
|                 | 36              |        | 4-                           | 1            | $\blacksquare$  | 4         |            | 86               |          |          | 4         | 7                      | 1             | Ŧ                       | Ţ         | -      | ]                 |                 | 136        | $\Box$   | T        | I       |               |                           |          | $\Box$    | $\Box$    |   |  |  |  |
|                 | 38              |        | - -                          | -            | +               | $\dashv$  | $\vdash$   | 87<br>88         | Н        | $\dashv$ | $\dashv$  | ┪                      | ╅             | ╁                       | 十         | ╅╴     | ┨                 | $\vdash$        | 137<br>138 | -+       | +        | ╁       | $\vdash$      | Н                         | $\dashv$ | $\dashv$  | $\dashv$  |   |  |  |  |
|                 | 39              | $\Box$ |                              |              | 二               |           |            | 89               |          |          | _         | $\exists$              | 丁             | 丰                       | #         | T      | 1                 |                 | 139        |          | $\pm$    | 工       |               |                           |          |           |           |   |  |  |  |
|                 | 40              | +      | +                            |              | +-+             | $\dashv$  | <u> </u>   | 90<br>91         | Н        | -        | +         | $\dashv$               | +             | +                       | ╀         | ╀      | 1                 | $\vdash$        | 140<br>141 | -+-      | +        | ╂-      | H             | Н                         | -        | $\dashv$  | 4         |   |  |  |  |
|                 | 42              |        | 士                            | 士            | 廿               | $\exists$ |            | 92               |          |          | 士         |                        | 士             | 士                       | 士         |        | 1                 |                 | 142        |          | $\pm$    |         |               | H                         |          |           | $\exists$ |   |  |  |  |
|                 | 43              | H      | +                            | $oxed{\Box}$ | $+\overline{1}$ | 4         |            | 93<br>94         |          | $\dashv$ | $\dashv$  | $\dashv$               | 4             | +                       | #         | +      | 1                 |                 | 143        | T        | T        | F       |               | П                         | $\Box$   | $\supset$ | $\Box$    |   |  |  |  |
|                 | 45              |        |                              | -            | +-              | -         |            | 95               | H        | -        | $\dashv$  | $\dashv$               | +             | +                       | +         | +      | 1                 | $\vdash$        | 144        | +        | +        | ╁       | $\vdash$      | $\vdash$                  | $\dashv$ | -         | $\dashv$  |   |  |  |  |
|                 | 46              |        | T                            |              | $\Box$          | $\Box$    |            | 96               |          |          | $\Box$    | $\Box$                 | $\downarrow$  | #                       | T         | 工      | 1                 |                 | 146        |          | I        | I       |               |                           |          | 口         | コ         |   |  |  |  |
|                 | 47              |        | +                            | ├┼           | ╂═┤             | $\dashv$  | -          | 97<br>98         | Н        |          | +         | $\dashv$               | +             | +                       | 十         | +      | 1                 | $\vdash \vdash$ | 147<br>148 | -        | +        | +       | -             | $\vdash$                  | $\dashv$ | $\dashv$  | $\dashv$  |   |  |  |  |
|                 | 49              |        | 工                            |              | 世               |           |            | 99               |          |          | 1         | 二                      | 士             | 土                       | 土         | 士      | 1                 |                 | 149        |          | 士        |         |               |                           |          |           | $\exists$ |   |  |  |  |
|                 | 50              |        |                              |              |                 |           |            | 100              | Ш        |          | $\Box$    | $_{\perp}I$            | $\perp$       |                         |           |        |                   |                 | 150        | -I       |          |         |               |                           |          |           |           |   |  |  |  |